

MATERIAL SAFETY DATA SHEET



Page: 1 of 5
Date of Issue: August 1, 2002

STATEMENT OF HAZARDOUS NATURE

Hazardous according to criteria of National Occupational Health and Safety Commission.
R22 – Harmful if swallowed.

COMPANY DETAILS:

Company: Bayer CropScience Pty Ltd ABN 87 000 226 022
Address: 391 – 393 Tooronga Road, East Hawthorn
Victoria 3123 Australia
Telephone/Facsimile: (03) 9248 6888/(03) 9248 6800
Website Address: www.bayercropscience.com.au
Emergency Telephone Number: 1800 033 111 - Orica SH&E Shared Services

IDENTIFICATION

Product Name:	Chinosol® W Fungicide
Other Names:	Not applicable
Manufacturer's Product Code:	AE F027197 00 SP67 A1
SAP Product Code:	17193 (2.5 kg)
UN Number:	Not applicable
Dangerous Goods Class and Subsidiary Risk:	Not classified as dangerous goods for transport by road or rail.
Hazchem Code:	Not applicable
Proper Shipping Name:	Not applicable
Packing Group:	Not applicable
EPG:	Not applicable
Chemical Family:	Hydroxyquinoline
Poisons Schedule Number:	Exempt
Use:	Agricultural fungicide

Physical Description/Properties

Appearance:	Off-white to yellow powder with slight odour
Boiling Point/Melting Point:	Melting point 167 – 182 ° C (8-hydroxyquinoline sulphate)
Vapour Pressure:	Not available
Bulk density:	Not available
Flashpoint:	Not applicable
Flammability Limits:	Not applicable
Solubility in Water:	Soluble

Other Properties:

Formulation:	Water soluble powder
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Ingredients:

Chemical Name:	CAS Number:	Proportion (g/kg):
8-hydroxyquinoline sulphate	[134-31-6]	675
Other ingredients (inorganic salts)	(non hazardous)	325

CHINOSOL W FUNGICIDE

MATERIAL SAFETY DATA SHEET



Page: 2 of 5
Date of Issue: August 1, 2002

HEALTH HAZARD INFORMATION

Health Effects:

Acute:

- Swallowed: Harmful if swallowed.
- Eye: May be irritating to eyes.
- Skin: Harmful in contact with skin. May be irritating to skin, especially after prolonged contact.
- Inhaled: Harmful by inhalation. May irritate respiratory tract.

Chronic:

Laboratory studies have shown 8-hydroxyquinoline to be a possible mutagen.

First Aid

If poisoning occurs, immediately contact a doctor or Poisons Information Centre (telephone 13 11 26), and follow the advice given. Show this Material Safety Data Sheet to a doctor.

- Swallowed: Wash out mouth with water. Do not induce vomiting. Give 1 – 2 glasses of water. Keep patient at rest and seek medical advice as above. Do not give anything by mouth to a person who is unconscious or semi-conscious.
- Eye: Rinse eyes immediately with clean water for at least 15 minutes and obtain medical advice.
- Skin: Carefully remove contaminated clothing. Wash affected areas with soap and water. Seek medical aid if at all worried.
- Inhaled: If inhaled, remove to fresh air and keep at rest. Obtain medical advice if at all worried.
- First Aid Facilities: Provide washing facilities in the workplace.

Advice to Doctor:

Symptoms of toxicity include anorexia, malaise, and general indifference to sound and light. There may be skin, eye and respiratory tract irritation.

For local contamination treatment should be symptomatic after decontamination. In case of skin or eye contamination, treat as documented above under first Aid. For systemic poisoning initial treatment should be symptomatic and supportive.

MATERIAL SAFETY DATA SHEET



Page: 3 of 5
Date of Issue: August 1, 2002

PRECAUTIONS FOR USE

Exposure Standards:	No exposure standard has been assigned by the National Occupational Health and Safety Commission.	
Engineering Controls:	Control process conditions to avoid contact. Use only in well-ventilated areas.	
Personal Protection:	Eyes:	Wear safety goggles.
	Clothing:	Wear cotton overalls buttoned to the neck and wrist to avoid skin contact.
	Gloves:	Wear elbow-length PVC gloves.
	Respiratory:	Wear a mask or respirator if inhalation of dust or spray is possible.
	Other:	After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use wash gloves, goggles, respirator face piece and contaminated clothing.
Flammability:	If fine dust is formed, dust / air mixtures can build up static electrical charges which may be explosive.	

SAFE HANDLING INFORMATION

Storage and

Transport:

Corrosivity Hazards: May react with metals.

Handling & Storage
Precautions:

Keep out of reach of children. Store in the closed, original container in a cool, well ventilated area. Do not store for prolonged periods in direct sunlight. Avoid contact with metals. Keep away from food, drink and animal feed.

Transport:

The product is not classified as Dangerous Goods under the Australian Code for the Transport of Dangerous Goods by Road and Rail.

Spills and Disposal:

Spillage or Leak
Procedures:

Avoid contact with the spilled material or contaminated surfaces. When dealing with spills do not eat, drink or smoke and wear personal protective clothing and equipment as described in the PERSONAL PROTECTION section above. Prevent spilled material from entering drains or watercourses. Dampen with water to avoid creating dust, and then sweep up spillage. Collect and store in properly labelled, sealed drums for safe disposal. Deal with all spillages immediately. If contamination of drains, streams, watercourses, etc. is unavoidable, warn the local water authority.

CHINOSOL W FUNGICIDE

MATERIAL SAFETY DATA SHEET



Page: 4 of 5
Date of Issue: August 1, 2002

SAFE HANDLING INFORMATION – continued

Waste Disposal Methods: Triple or preferably pressure rinse containers before disposal. Add rinsings to dip bath or spray tank. Do not dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush, or puncture and bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt. Do not pour used dip into the sewer.

Fire/Explosion Hazard:

Extinguishing Media: Dry chemical, carbon dioxide or waterspray.

Special Fire Fighting Procedures: Fire fighters should wear full protective gear, including self-contained breathing apparatus (AS/NZS 1715, 1716). Toxic decomposition products may be produced in a fire. If it can be done safely, remove intact containers from the fire. Bund area to prevent contamination of water sources. Dispose of fire control water or other extinguishing agent and spillage safely.

Reactivity Hazards: Incompatible with alkalis, iodine, oxidising agents, amines, strong acids, strong oxidising agents and many metal ions. DO NOT use with hard water, or store in metal or cement containers. Precipitation may occur if hard water or water containing iron is used. Under extreme heat or fire conditions oxides of carbon, nitrogen and sulphur may be produced. 8-hydroxyquinoline is light sensitive.

OTHER INFORMATION:

Animal toxicity data

8-Hydroxyquinoline sulphate:	Oral LD ₅₀ (mg/kg)	1250	Species	Rat
Product:	Dermal LD ₅₀ (mg/kg)	> 4000	Species:	Rat

Environmental / Ecological Effects: Non-toxic to fish. Non-toxic to birds. Non-toxic to bees when used as directed.

Do not contaminate streams, rivers or waterways with the chemical or used containers.

Data Sources / References: Bayer CropScience Pty Ltd product safety data and published data

MATERIAL SAFETY DATA SHEET



Page: 5 of 5
Date of Issue: August 1, 2002

CONTACT POINT:

Emergency Contact Number: 1800 033 111 (Orica SH&E Shared Services)
Development Manager: (03) 9248 6888

This MSDS summarizes our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products.

If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.

Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request.

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